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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/804,203         | 03/19/2004             | Ronald H. Knapp       |                        |

James C. Wray  
Suite 300  
1493 Chain Bridge Road  
McLean, VA 22101

CONFIRMATION NO. 6502

FORMALITIES LETTER



\*OC000000012825841\*

Date Mailed: 06/01/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

12/02/2004 EABUBAK1 00000068 10804203

FILED UNDER 37 CFR 1.53(b)

01 FC:2001  
02 FC:2051

395.00 OP  
65.00 OP

*Filing Date Granted*

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 385 to complete the basic filing fee for a small entity.*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - The drawings have a line quality that is too light to be reproduced (weight of all lines and letters must be heavy enough to permit adequate reproduction) or text that is illegible (reference characters, sheet numbers, and view numbers must be plain and legible) see 37 CFR 1.84(l) and (p)(1)); See Figure(s) 1-1 to 1-6, 1-8, 2-3 to 2-7, 2-9, 2-10, 3-4 to 3-7, 3-13, 3-17, 3-27, 4-1, 4-11, 4-16, 4-21, 5-2, 5-5, 5-6, 5-17, 5-18, 5-19, 5-20, 5-21, 5-22.
- An abstract of the technical disclosure not exceeding 150 words in length and commencing on a separate

sheet in compliance with 37 CFR 1.72(b) is required. An abstract was not provided for this application.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$450** for a Small Entity

- **\$385** Statutory basic filing fee.
- **\$65** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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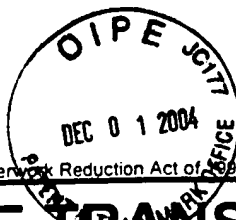
*A copy of this notice **MUST** be returned with the reply.*

*B. To*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PTO/SB/17 (10-04)

Approved for use through 07/31/2006. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1,225.00

**Complete if Known**

|                      |                 |
|----------------------|-----------------|
| Application Number   | 10/804,203      |
| Filing Date          | 03/19/2004      |
| First Named Inventor | Ronald H. Knapp |
| Examiner Name        |                 |
| Art Unit             | 3754            |
| Attorney Docket No.  |                 |

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description        | Fee Paid            |
|-------------------------------|-------------------------------|------------------------|---------------------|
| 1001 790                      | 2001 395                      | Utility filing fee     | 395                 |
| 1002 350                      | 2002 175                      | Design filing fee      |                     |
| 1003 550                      | 2003 275                      | Plant filing fee       |                     |
| 1004 790                      | 2004 395                      | Reissue filing fee     |                     |
| 1005 160                      | 2005 80                       | Provisional filing fee |                     |
| <b>SUBTOTAL (1)</b>           |                               |                        | <b>(\$ ) 395.00</b> |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent        | -20** =      | X              |          |
| Multiple Dependent | -3** =       | X              |          |

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  |
|-------------------------------|-------------------------------|--|
| 1202 18                       | 2202 9                        | Claims in excess of 20                                     |
| 1201 88                       | 2201 44                       | Independent claims in excess of 3                          |
| 1203 300                      | 2203 150                      | Multiple dependent claim, if not paid                      |
| 1204 88                       | 2204 44                       | ** Reissue independent claims over original patent         |
| 1205 18                       | 2205 9                        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$ )

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description  | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130      | 2051 65       | Surcharge - late filing fee or oath  | 65       |
| 1052 50       | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130      | 1053 130      | Non-English specification  |          |
| 1812 2,520    | 1812 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*     | 1804 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*   | 1805 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110      | 2251 55       | Extension for reply within first month                                     |          |
| 1252 430      | 2252 215      | Extension for reply within second month                                    |          |
| 1253 980      | 2253 490      | Extension for reply within third month                                     |          |
| 1254 1,530    | 2254 765      | Extension for reply within fourth month                                    | 765      |
| 1255 2,080    | 2255 1,040    | Extension for reply within fifth month                                     |          |
| 1401 340      | 2401 170      | Notice of Appeal   |          |
| 1402 340      | 2402 170      | Filing a brief in support of an appeal                                     |          |
| 1403 300      | 2403 150      | Request for oral hearing   |          |
| 1451 1,510    | 1451 1,510    | Petition to institute a public use proceeding                              |          |
| 1452 110      | 2452 55       | Petition to revive - unavoidable   |          |
| 1453 1,330    | 2453 665      | Petition to revive - unintentional   |          |
| 1501 1,370    | 2501 685      | Utility issue fee (or reissue)   |          |
| 1502 490      | 2502 245      | Design issue fee   |          |
| 1503 660      | 2503 330      | Plant issue fee  |          |
| 1460 130      | 1460 130      | Petitions to the Commissioner  |          |
| 1807 50       | 1807 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180      | 1806 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40       | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809 790      | 2809 395      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 790      | 2810 395      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 790      | 2801 395      | Request for Continued Examination (RCE)                                    |          |
| 1802 900      | 1802 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ ) 830.00**SUBMITTED BY**

(Complete if applicable)

|                   |                            |                                   |            |           |                |
|-------------------|----------------------------|-----------------------------------|------------|-----------|----------------|
| Name (Print/Type) | Meera P. Narasimhan        | Registration No. (Attorney/Agent) | 40,252     | Telephone | (703) 442-4800 |
| Signature         | <i>Meera P. Narasimhan</i> | Date                              | 12/01/2004 |           |                |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

RONALD H. KNAPP

Serial No. 10/804,203

Art Unit 3754

Filed: March 19, 2004

For: FIBER OPTIC SENSORS FOR COMPOSITE PRESSURE TANKS

**RESPONSE**

To the Director of the Patent and Trademark Office

Sir:

In response to the attached Notice to File Missing Parts of Nonprovisional Application dated June 1, 2004, kindly accept the attached Power of Attorney and Declaration for the above-identified application.

A check for \$1,225.00 is also attached to cover the \$395.00 basic filing fee, \$65.00 late declaration surcharge and \$765.00 four month extension fee.

Also attached is a Preliminary Amendment, with Appendices I, II and III, addressing all the drawing and abstract requirements set out in the Notice to File Missing Parts.

Respectfully,

James C. Wray, Reg. No. 22,693  
Meera P. Narasimhan, Reg. No. 40,252  
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December 1, 2004